

N^o 14,518



A.D. 1892

Date of Application, 11th Aug., 1892

Complete Specification Left, 11th May, 1893—Accepted, 17th June, 1893

PROVISIONAL SPECIFICATION.

Improvements in Inhalers.

I, JAMES GEORGE INGRAM, of Felstead Street, Hackney Wick, in the County of Middlesex, India Rubber Manufacturer, do hereby declare the nature of this invention to be as follows:—

The invention has for its object an improved inhaler which involves no waste of
5 drug or preparation, is easily cleaned and is always ready for use.

For this purpose I employ a pot of any suitable shape and material and preferably provided with a handle. This pot is also provided with a cover fitting over the top thereof; this cover is provided with a central short tube or opening through which is passed an india rubber inhaling tube the lower end of which
10 latter is formed with a thickened rib or ring around the same so that by drawing it up against the interior of the cover a tight joint is made at such part.

The cover is also preferably provided with air holes or provision may be otherwise made to admit air so as to allow the vapour to be drawn off freely.

The pot is provided with a central holder to receive a small bottle or jar to
15 contain the drug or preparation and this guide is so formed as to give free access of the hot water in the pot to the exterior of the bottle or jar.

In using the inhaler the bottle or jar is supplied with a drug or preparation, the pot is supplied with a quantity of hot water and the bottle or jar is placed in its holder in the hot water: the cover is then placed over the pot and the patient
20 applies the free end of the rubber tube or a mouth piece fitted thereto to his mouth when he will be enabled to inhale the vapour given off.

The cooled water can be readily thrown away after first removing the bottle or jar from the pot and a fresh supply of hot water can be placed in the pot from time to time as may be required.

25 Dated August 11th 1892.

J. G. INGRAM,

By Harris & Mills,
23, Southampton Buildings, London, Agents.

COMPLETE SPECIFICATION.

30 Improvements in Inhalers.

I, JAMES GEORGE INGRAM of Felstead Street, Hackney Wick, in the County of Middlesex, India Rubber Manufacturer do hereby declare the nature of my invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement:—

35 The invention has for its object an improved inhaler which involves no waste of drug or preparation, is easily cleaned and is always ready for use.

For this purpose I employ a pot of any suitable shape and material and preferably provided with a handle. This pot is also supplied with a cover fitting over the top thereof; this cover has a central short tube or opening through which is passed
40 an india rubber inhaling tube the lower end of which latter is formed with a thickened rib or ring around the same so that by drawing it up against the interior of the cover a tight joint is made at such part.

The cover is also preferably provided with air holes or provision may be otherwise made to admit air so as to allow the vapour to be drawn off freely.

[Price 8d.]

Ingram's Improvements in Inhalers.

The pot is provided with a central holder or guide to receive a small bottle or jar to contain the drug or preparation and this holder or guide is perforated or so formed as to give free access of the hot water in the pot to the exterior of the bottle or jar.

In using the inhaler the bottle or jar is supplied with a drug or preparation, the pot is supplied with a quantity of hot water care being taken that the hot water shall not reach the top of the bottle or jar when placed therein, the bottle or jar is placed in its holder in the hot water, the cover is then placed over the pot and the patient applies the free end of the rubber tube, or a mouth piece fitted thereto, to his mouth when he will be enabled to inhale the vapour given off. The cooled water can be readily thrown away after first removing the bottle or jar from the pot and a fresh supply of hot water can be placed in the pot from time to time as may be required. If desired the inhaler may be placed on a hob or fire or in an oven to be kept hot and always ready for use.

And in order that my said invention may be more clearly understood and readily carried into effect I will proceed aided by the accompanying drawings more fully to describe the same.

Figure 1 is a vertical section and Figure 2 is a plan of my improved inhaling apparatus. Like parts are indicated by similar letters of reference.

In carrying my invention into effect I employ a pot *a* of any suitable shape and material provided with a handle *a*¹, and cover *a*² fitting over the top of the said pot. This cover *a*² has a central opening through which is passed an india rubber inhaling tube *b* the lower end of which is formed with a thickened rib or ring *b*¹ around the same so that by drawing it up against the interior of the cover *a*² a tight joint is made at such part. In some cases I fit the cover *a*² with a short guiding tube through which passes the india rubber tube *b*. The cover *a*² is also preferably provided with air holes *a*³ to admit air so as to allow the vapour to be drawn off freely or other convenient means may be employed.

The pot *a* is provided with a central holder or guide *c* to receive a small bottle or jar *d*, shown in dotted lines in Figure 1 and in full lines in Figure 2 which contains the drug or preparation to be inhaled and this holder or guide *c* is perforated as shown or is otherwise formed so as to give free access of the hot water in the pot *a* to the exterior of the bottle or jar *d*.

In using the inhaler the bottle or jar *d* is supplied with a drug or preparation and the pot *a* is partly filled with hot water, care being taken that the hot water is not high enough to enter the bottle or jar when placed therein. The bottle or jar is placed in its holder *c* in the hot water, the cover *a*² is then placed in position and the patient applies the free end of the tube *b* or mouth piece *b*¹ fitted thereto to his mouth when he will be enabled to inhale the vapour given off.

The cooled water can be thrown away after first removing the bottle or jar *d* from the pot and a fresh supply of hot water can be placed in the pot from time to time as may be required.

By the use of my apparatus a great saving is obtained compared with the usual method of mixing the drug or preparation with the hot water which when cool is thrown away.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed I declare that what I claim is:—

1. An inhaler consisting of a pot provided with a closely fitting perforated cover having a central hole through which is passed a tube having a rib or flange around its lower end to form a tight joint said pot containing a holder or guide so formed that the hot water may have free access to the exterior of the bottle or jar placed therein containing the desired drug or preparation substantially as herein shown and described.

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2. The peculiar arrangement and combination of parts forming an inhaler substantially as herein shown and described.

Dated May 11th 1893.

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FIG. 1.

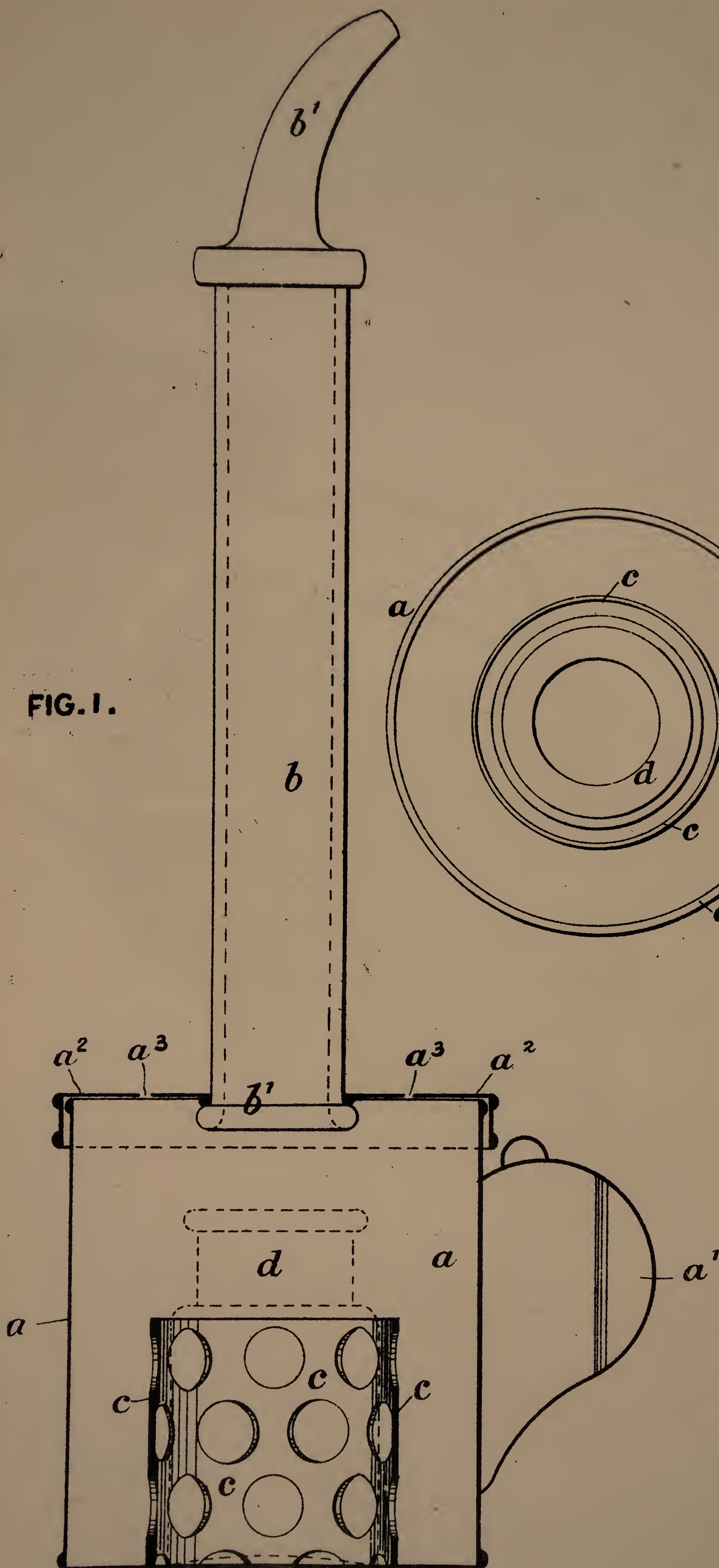
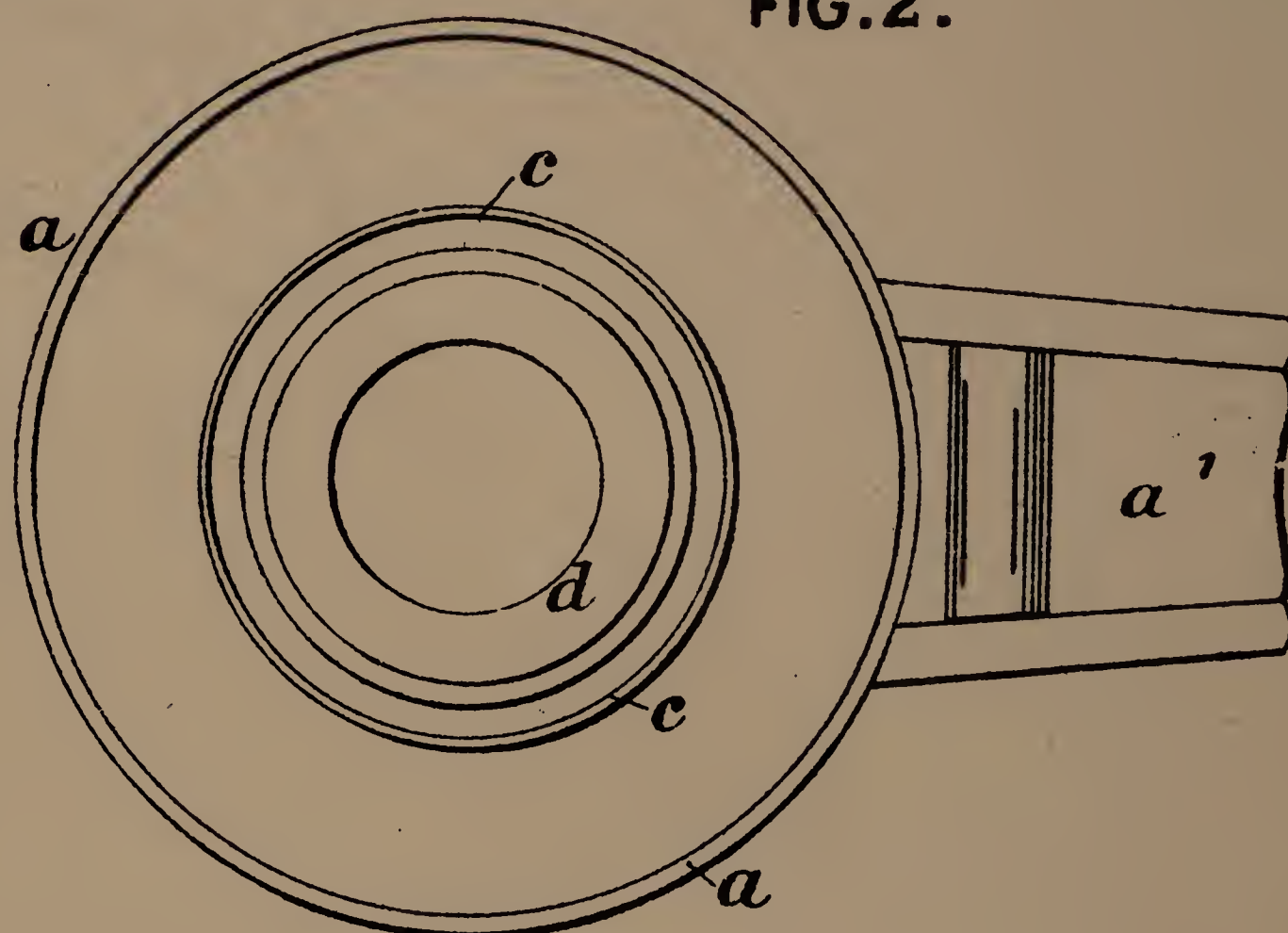


FIG. 2.



[This Drawing is a reproduction of the Original on a reduced scale]

